

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 March 2004 (25.03.2004)

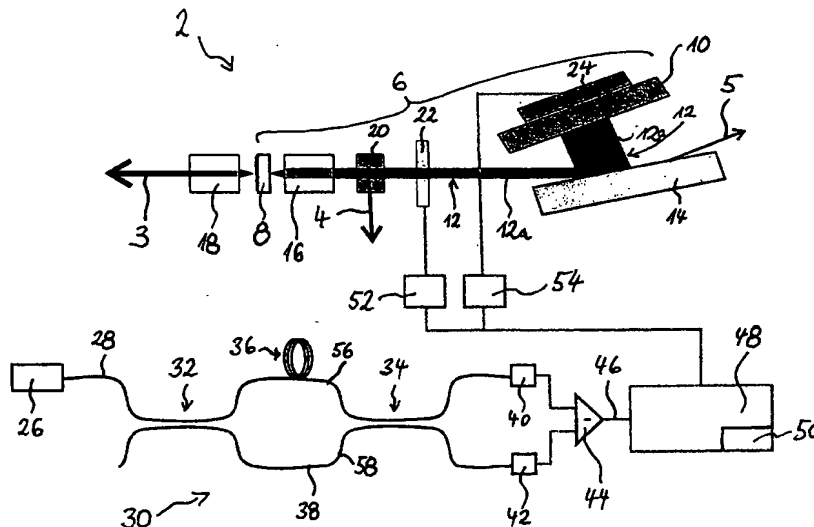
PCT

(10) International Publication Number
WO 2004/025794 A1

- (51) International Patent Classification⁷: H01S 5/14, 5/0687
- (21) International Application Number: PCT/EP2002/010286
- (22) International Filing Date: 13 September 2002 (13.09.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): AGILENT TECHNOLOGIES, INC. [US/US]; 395 Page Mill Road, Palo Alto, CA 94306 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): STEFFENS, Wolf [DE/DE]; Schwarzwaldstrasse 84, 71083 Herrenberg (DE). KALLMANN, Ulrich [DE/DE]; Haaggasse 17, 72070 Tuebingen (DE). HAEUSSLER, Ralf [DE/DE]; Richard-Wagner-Strasse 37, 71116 Gärtringen (DE). NEBENDAHL, Bernd [DE/DE]; Ziehrerweg 1, 71254 Ditzingen (DE). JENSEN, Thomas [DE/DE]; Germanenstrasse 20, 70563 Stuttgart (DE). MUELLER, Emmerich [DE/DE]; Finkenweg 7, 71134 Aidlingen (DE).
- (74) Agent: BARTH, Daniel; Agilent Technologies Deutschland GmbH, Patentabteilung, Herrenbergerstr. 130, 71034 Böblingen (DE).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report

[Continued on next page]

(54) Title: CONTROL OF LASER TUNING VELOCITY



(57) Abstract: The present invention relates to an apparatus and to a method of manipulating a laser source (2), the method comprising the steps of: analyzing an optical signal (3, 4, 5) generated by the laser source (2), evaluating on the basis of the analysis an actual indicator corresponding with an actual value of a tuning velocity of the laser source (2), comparing the actual indicator with a desired indicator corresponding with a desired value of the tuning velocity to detect a deviation of the actual value of the tuning velocity from the desired value of the tuning velocity, and compensating the deviation if any by manipulating at least one parameter influencing the signal (3, 4, 5) of the laser source (2).